

WHAT IS CLAIMED IS:

1. A heating mechanism comprising:

a first coil body and a second coil body, each of which coil bodies increases a temperature of an object;

5 a first temperature detection mechanism and a second temperature detection mechanism, said first temperature detection mechanism detecting a temperature obtained when a predetermined output is supplied to said first coil body and a temperature of said object
10 is increased, and said second temperature detection mechanism detecting a temperature obtained when said predetermined output is supplied to said second coil body and a temperature of said object is increased; and
an output control mechanism capable of alternately
15 supplying said predetermined output to said first coil body and said second coil body,

wherein said output control mechanism continuously supplies said predetermined output to said first coil body until said first temperature detection mechanism
20 detects that a temperature in an area of said object which is increased by said first coil body reaches a predetermined temperature when a temperature of said object is increased by said first coil body, and no supply said predetermined output to said second coil
25 body while said predetermined output is supplied to said first coil body.